

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	alkaline near2 battery and current near2 collector same (bump protrusion indent\$5)	EPO; JPO; DERWENT	OR	ON	2007/05/22 13:37
S2	8	alkaline near2 battery and current near2 collector with (bump protrusion indent\$5)	US-PGPUB; USPAT	OR	ON	2007/05/22 15:42
S3	204	(izumi-y\$.inv. kakinuma-a\$.inv. koshiba-n.inv.) and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 13:40
S4	23	(izumi-y\$.inv. kakinuma-a\$.inv. koshiba-n.inv.) and battery and current near2 collec\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/22 13:41
S5	5	alkaline near2 battery and plate with current with (bump protrusion indent\$5)	US-PGPUB; USPAT	OR	ON	2007/05/22 13:54
S6	0	S5 not S2	US-PGPUB; USPAT	OR	ON	2007/05/22 13:43
S7	0	jp near2 ("2002164054" 2002-164054)	US-PGPUB; USPAT	OR	ON	2007/05/22 13:55
S8	0	("2002164054" 2002-164054)	US-PGPUB; USPAT	OR	ON	2007/05/22 13:55
S9	0	2001-129347	US-PGPUB; USPAT	OR	ON	2007/05/22 13:55
S10	0	"2001" near2 "129347"	US-PGPUB; USPAT	OR	ON	2007/05/22 13:58
S11	0	(36-8018 34-36019)	US-PGPUB; USPAT	OR	ON	2007/05/22 13:58
S12	135	alkaline near2 battery and current near2 collector with (pore porous)	US-PGPUB; USPAT	OR	ON	2007/05/22 15:42
S13	3	(US-20050147876-\$).did. or (EP-1498977-\$).did. or (JP-2004006298-\$).did.	US-PGPUB; EPO; JPO	OR	ON	2007/05/22 15:44
S14	1	S13 and punch\$3 near2 metal with electrode	US-PGPUB	OR	ON	2007/05/22 15:45
S15	67	punch\$3 near2 metal with current near2 collect\$5 and battery	US-PGPUB	OR	ON	2007/05/22 15:49
S16	82	punch\$3 near2 metal with current near2 collect\$5 and battery	USPAT; USOCR	OR	ON	2007/05/22 15:49

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S17	3	("5162178").PN. OR ("6605388").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 15:55
S18	3	("5543250"   "6436575").PN. OR ("6582855").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 15:56
S19	14	("1752963"   "2088596"   "5498496"   "5543250"   "5578398"   "5849430"   "5949637").PN. OR ("6096455").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:00
S20	1	"5162178".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:01
S21	120	alkaline near2 storage near2 battery and (housing case) with (seal\$3 near2 plate single near2 cell)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:02
S22	119	alkaline near2 storage near2 battery and (housing case) with (seal\$3 near2 plate single near2 cell)	US-PGPUB; USPAT	OR	ON	2007/05/22 16:04
S23	19	alkaline near2 storage near2 battery and (housing case) with (button single) near2 cell	US-PGPUB; USPAT	OR	ON	2007/05/22 16:09
S24	0	alkaline near2 storage near2 battery and (housing case) with bottom with (top sealing near2 plate) with first near2 electrode with second near2 electrode with separator with current near2 collector	US-PGPUB; USPAT	OR	ON	2007/05/22 16:10
S25	0	alkaline near2 battery and (housing case) with bottom with (top sealing near2 plate) with first near2 electrode with second near2 electrode with separator with current near2 collector	US-PGPUB; USPAT	OR	ON	2007/05/22 16:10
S26	0	alkaline near2 battery and (housing case) with bottom with (top sealing near2 plate) and first near2 electrode with second near2 electrode with separator with current near2 collector	US-PGPUB; USPAT	OR	ON	2007/05/22 16:10
S27	2	alkaline near2 battery and (housing case) with bottom with (top sealing near2 plate) and first near2 electrode with second near2 electrode with separator with current near2 collector	US-PGPUB; USPAT	OR	ON	2007/05/22 16:13

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S28	18	alkaline near2 battery and first near2 electrode with second near2 electrode with separator with current near2 collector	US-PGPUB; USPAT	OR	ON	2007/05/22 16:12
S29	16	alkaline near2 battery and (housing case) with bottom with (top sealing near2 plate) and ((first negative positive) near2 electrode anode) with ((second negative positive) near2 electrode cathode) with separator with current near2 collector	US-PGPUB; USPAT	OR	ON	2007/05/22 16:17
S30	14	S29 not S27	US-PGPUB; USPAT	OR	ON	2007/05/22 16:14
S31	62	battery and (housing case) with bottom with (top sealing near2 plate) and ((first negative positive) near2 electrode anode) with ((second negative positive) near2 electrode cathode) with separator with current near2 collector	US-PGPUB; USPAT	OR	ON	2007/05/22 16:19
S32	46	S31 not S28 not S29	US-PGPUB; USPAT	OR	ON	2007/05/22 16:18
S33	75	button adj cell and ((first negative positive) near2 electrode anode) with ((second negative positive) near2 electrode cathode) with separator with current near2 collector	US-PGPUB; USPAT	OR	ON	2007/05/22 17:05
S34	170	single adj cell and ((first negative positive) near2 electrode anode) with ((second negative positive) near2 electrode cathode) with separator with current near2 collector	US-PGPUB; USPAT	OR	ON	2007/05/22 16:22
S35	30	single adj cell and ((first negative positive) near2 electrode anode) with ((second negative positive) near2 electrode cathode) with separator with current near2 collector and alkaline with battery	US-PGPUB; USPAT	OR	ON	2007/05/22 16:23
S36	48	alkaline near2 storage near2 battery and (electrode anode cathode) with separator with current near2 collect\$5 and (hous\$3 cas\$3)	US-PGPUB; USPAT	OR	ON	2007/05/22 16:32
S37	11	("3416964"   "3421945"   "3799959"   "3840408").PN. OR ("4128705").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:26

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S38	0	S37 and current near2 collect\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:28
S39	2	S37 and current	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:28
S40	12	("4128705"   "4260669").PN. OR ("5069989").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:29
S41	5	S40 and current near2 collect\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:29
S42	65	("3352769"   "3372060"   "3746580"   "3801375"   "3897265"   "3901732"   "3902922"   "3963519"   "3977901"   "4041211"   "4054726"   "4118544"   "4137375"   "4139683"   "4166157"   "4189526"   "4209574"   "4262062"   "4315062"   "4343869"   "4369568"   "4404266"   "4419420"   "4457990"   "4507370"   "4557983"   "4591539"   "4640874"   "4649090"   "4656104"   "4687714"   "4791034"   "4822698"   "4828939"   "4894295"   "4957826"   "5069986"   "5069989"   "5093212"   "5279905"   "5308711"   "5328777"   "5415949"   "5432027"   "5451473"   "5486431"   "5494495"   "5536596"   "5547781"   "5580674"   "5582933"   "5584891"   "5591541"   "5603157"   "5629108"   "5724431"   "Re31413").PN. OR ("5904998").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:31
S43	25	S42 and current near2 collect\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:31
S44	368	alkaline near2 (battery cell) and (electrode anode cathode) with separator with current near2 collect\$5 and (hous\$3 cas\$3)	US-PGPUB; USPAT	OR	ON	2007/05/22 16:33
S45	71	alkaline near2 (battery cell) and (electrode anode cathode) with separator with current near2 collect\$5 and (hous\$3 cas\$3) and single near2 cell	US-PGPUB; USPAT	OR	ON	2007/05/22 16:34

## EAST Search History

S46	24	("2307765"   "2745894"   "2830110"   "3525647"   "3708340"   "4060670"   "4070528"   "4374186").PN. OR ("4505996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:36
S47	20	("4505996"   "4525439").PN. OR ("5066555").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:37
S48	33	("2144574"   "2880259"   "3340099"   "4060670"   "4278744").PN. OR ("4525439").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 16:38
S49	13	(US-20050147876-\$ or US-20030134197-\$ or US-20010016282-\$).did. or (US-6806004-\$ or US-6605388-\$ or US-6582855-\$ or US-6096455-\$ or US-5543250-\$ or US-5336571-\$ or US-5242565-\$ or US-4128705-\$).did. or (EP-1498977-\$).did. or (JP-2004006298-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/22 16:47
S50	10	S49 and current near2 collect\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/22 16:54
S51	2020460	S49 and (mm ".mu.m") ith (thick thickness)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/22 16:55
S52	7	S49 and (mm ".mu.m") with (thick thickness)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/22 16:58
S53	5	S49 and (negative near2 electrode anode) with (hydrogen near3 storage zinc zn)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/22 16:59
S54	67	coin adj cell and ((first negative positive) near2 electrode anode) with ((second negative positive) near2 electrode cathode) with separator with current near2 collector	US-PGPUB; USPAT	OR	ON	2007/05/22 17:05